



## Real World

# Benzene Release at Petrochemical Depot Deer Park, TX

29MAR2019 1500Z

RFI – 19 – 0254zU

29MAR2019

Requestor: NWS – Houston WFO

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Date: 03/29/2019

Other requests for this document shall be referred to: Defense Threat Reduction Agency 8725 John J. Kingman Rd, MS 6201 Fort Belvoir, VA 22060-6201



## **Request Summary**

### Request Data

- Requestor: Brian Kyle, Lead Forecast Meteorologist,
  National Weather Service Houston WFO
- Contact: 1-800-846-1828, sr-hgx.ops@noaa.gov
- Request: Benzene concentration distance circles in Deer Park, TX resulting from the fire which began on March 17.

#### Solution

- Summary: Concentration distance circles are provided,
  based on a release of 10 ppm at the source region
- Employment: Real World
- Reachback: T. Chekol

## Deer Park, TX Tank Farm:

Latitude: 29.732437° N Longitude: 95.091517° W

Bayou:

Latitude: 29.742222 °N Longitude: 95.10000 °W

#### Hazard:

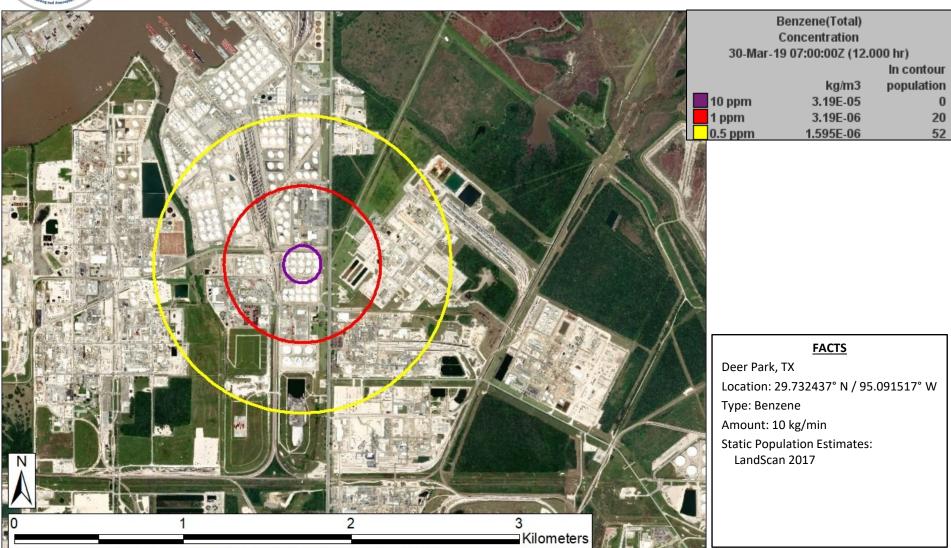
 Benzene concentration circles with a release rate adjusted to give a concentration of 10 ppm near the release.

#### **Comments:**

 There are no hazardous benzene readings at this time and these concentration circles are provided out of an abundance of caution.



## **Benzene Concentration Circles- Tank Farm- 12 Hours**





### Benzene Concentration Circles – Bayou-12 Hours

